

COLONEL LOCKE, EX-CORPORATION MEMBER, IS DEAD

Former Personnel Manager Died
Last Friday At Home
In Cambridge

WAS ALSO PRESIDENT
OF ALUMNI ASSOCIATION

Graduated From Institute In
1886; Was Instructor
For One Year

Colonel Frank L. Locke, '86, former personnel director of the Institute, died at his home at the Commander Hotel in Cambridge last Friday afternoon. For many years he was prominent in the affairs of the Institute; he was twice a term member of the corporation and from 1928 to 1933 was director of the graduate employment service.

Following his graduation from the Institute in 1886, Colonel Locke served for a year as instructor of drawing and civil engineering. He then engaged in engineering work for the City of Boston from 1887 to 1895, when he joined the staff of the Boston Rubber Shoe Company as assistant superintendent, later becoming superintendent. He relinquished this position in 1907 to accept the presidency of the Boston Young Men's Christian Union, which he occupied until his appointment in 1928 as personnel director at Technology.

In 1885 he enlisted in Troop D of the First Cavalry of the Massachusetts.

(Continued on Page 5)

PLAN TO REORGANIZE DRAMASHOP ANNOUNCED BY GENERAL MANAGER

Limited Group Will Be Picked
From Interested Men
To Form Club

Complete reorganization on a selective basis was announced by Dramashop yesterday, through its general manager, Harrison S. Woodman, '36. This announcement marks the inauguration of a plan which has facilitated the production methods of similar organizations in other colleges and universities throughout the United States.

The chief purpose of Dramashop will continue to be the successful production of worthwhile American and European plays through the combined efforts of Institute students interested in the various phases of modern stage presentation.

The Dramashop, instead of being an entirely open organization, is to be

(Continued on Page 6)

Condition of Dr. Rowe Is Reported As Slightly Worse

Dr. Allan W. Rowe, '01, was reported by physicians to be in a slightly weaker condition at the Huntington Memorial Hospital last night. He has been confined to bed since November 27, the day after Field Day.

Latest bulletins telling of his condition will be posted at intervals on the bulletin board of THE TECH in the basement of Walker. During the past week, Dr. Rowe's condition has been reported as unchanged.

Dr. Rowe is prominent in Alumni affairs, a member of the corporation, and Secretary of the Advisory Council on Athletics.

DORMS ANNOUNCE CHRISTMAS PARTY

Favorite Dance Orchestra Is
Sought By Committee For
Annual Event

"Intelligence Dance", the annual informal Christmas party presented by the Dormitory residents, will be held in Walker Memorial on Friday evening, December 14th, from 9 till 2, it was announced last evening.

Louis W. Pfanz, '35, chairman of the Dorm Dance Committee, which comprises: Milton W. Brooks, '36, John V. Sharp, '36, James Camp, '36, and Herbert Borden, '36, declined to divulge details but reported that his committee has been negotiating for a concert dance orchestra that has won favor in several nearby colleges.

Except for the hints on the posters that were placed on the bulletin boards yesterday, no announcement has been made as to the means of gaining entrance. In past years, this feature of the dance has attracted nation-wide publicity in several cases.

STINSON TEST PILOT WILL SPEAK AT A. E. S.

John Shobe, former chief test pilot for the Stinson Aircraft Company will speak at the next meeting of the Aeronautical Engineering Society, to be held on Tuesday, November 27, at 5:00 P. M., in Room 5-330. Mr. Shobe will speak on his flying experiences and will show moving pictures of flying. Students interested in learning to fly are given the opportunity of obtaining, through Mr. Shobe, special low rates for both instruction and solo flying.

During the course of the meeting, some movies of soaring meets will also be shown. At this time, new members may sign up, and present members may get their wings, the official A.E.S. insignia.

LARGE ATTENDANCE AT WELLESLEY AND TECH'S MUSICALS

Wellesley Glee Club, Under
Edward B. Greene
Sings Here

STOCKMAYER PLAYS SOLOS

Four hundred Technology men and their friends attended the dual concert presented by the Combined Musical Clubs and the Wellesley Choir, in Walker Memorial last Sunday. These joint concerts which have proved to be popular are sponsored by the Faculty Club, the Graduate House and the Dormitories. Contrary to the custom of previous years, when the concerts given by a single club with soloists, the program includes numbers by both the Technology and Wellesley clubs as well as several groups with the combined clubs.

The Wellesley choir, which is under the direction of Edward B. Greene, has a personnel of one hundred, while the Combined Musical Clubs under the direction of William E. Weston consists of about 120 singers and instrumentalists. Marjorie C. Morris led the Wellesley choristers and the Tech men were under the leadership of Richard L. Hughes, '35.

Walter H. Stockmayer, '35, was the featured soloist of the program in his presentation of several piano solos which included selections from Chopin, Brahms, and Schumann.

Following the concert tea was served. The Dormitories observed open house from two o'clock to seven for the occasion.

The hostesses were: Mrs. Mary Ewing, Dean of Wellesley College; Mrs. Alexander Macomber; Mrs. Leicester F. Hamilton; and Mrs. Ralph T. Jope.

CIRCULATE PETITION TO SECURE RELEASE OF IMPRISONED MEN

Faculty Will Ask the Governor
To Free Hanfstaengel
Demonstrators

Seeking to secure the liberation of those persons imprisoned for taking part in an anti-Hanfstaengel demonstration last June, a number of members of the instructing staff at the Institute are circulating a petition among faculty members and students.

This petition, asserting that the "undersigned feel that the penalties inflicted on the seven defendants in the so-called Hanfstaengel demonstration case are inordinately severe," will be sent to Governor Joseph B. Ely with a plea for official clemency in the form of a pardon. One of those imprisoned is Joseph Dauber, '34, a former student at the Institute.

The committee of faculty members which has been formed is seeking an appointment with the Governor, to personally present their request for the defendants' release.

DORMITORY STUDENTS EAT WITH PROFESSORS

First Informal Dinner Meeting
Will Be Held Tonight

Inaugurating a new plan for fostering closer student-professor relationships, the first of a series of dormitory dinners will be held tonight at 6 o'clock in the North Hall of Walker Memorial. Arrangements have been made for ten tables, with seven students and a professor at a table.

After this first meeting, arranged by the Dormitory Committee, any group of Dormitory residents desiring to meet a professor informally at dinner, may do so by leaving their names with Donald C. Gutleben, '35, chairman.

Dr. Compton In Praise Of Technology Union Plan

November 26, 1934
To THE TECH:

The plan for a Technology Union, which has been described to me, certainly holds the possibilities of great value to our students and to our educational program, and should be an interesting, stimulating influence in our Technology community. It seems to me that the idea is sound both from logical considerations and from the fact that similar organizations have functioned so successfully elsewhere, particularly in England. Its success here will of course depend upon the extent to which leaders and representative groups in our student body will participate in it.

Unfortunately I cannot come to the first meeting, but I wish to assure you of my sincere interest in the enterprise and my hope that it may start off auspiciously and become a strong force in giving our students an opportunity to think constructively and effectively along the lines of important world problems.

Very truly yours,
(Signed) Karl T. Compton,
President

MEXICO TO REVOLT PREDICTS STUDENT

Catholic Church In Mexico Is
Discussed At Catholic
Club Meeting

"Mexico will have a revolution within a year; the government is driving the people to revolt," declared Ferdinand Gallardo, '35, a Mexican, one of the speakers at a meeting of the Technology Catholic Club yesterday evening. The keynote of the meeting was "The Catholic Church in Mexico."

Gallardo also told how the party in power is installing a scientific socialist method in the schools. Other speakers on the subject were Charles Smith, Roland Wagner, and Fabian Rouke.

Thonet C. Dauphine, '35, chairman of the meeting, announced plans for a Communion breakfast to be held on either December 9 or 16.

PROFESSORS CHOOSE SHERRILL PRESIDENT

Professor Miles S. Sherrill was elected president, and Mr. Nicholas A. Milas secretary and treasurer, of the Technology chapter of the American Association of University Professors at the annual meeting of the chapter on November 21. Both Professor Sherrill and Mr. Milas are members of the department of chemistry.

Walker's Walloping Waiters Trounce THE TECH Football Eleven, 19 to 0

Brosnahan and Lincoln Star In
Victory; Chiemelewski, THE
TECH Star Is Unable to Play
Because of Ankle Injury

Displaying a superior defense and a well clicking offense, "Walker's Walloping Waiters" romped over THE TECH eleven last Sunday morning to the tune of 19 to 0. THE TECH team did not play as well as it did against Voo Doo the previous week and was no match for the fast moving Walkers. Chiemelewski, the star quarterback of the newspaper eleven, was not able to direct the activities of his team in this game, he having been injured in the previous contest.

Lincoln and Brosnahan were the standouts for the dining room team,

TECHNOLOGY UNION WILL HAVE INITIAL DISCUSSION TODAY

Electioneering Rule Is Subject
Of Speeches And Informal
Argument

PRESIDENT COMPTON
URGES ORGANIZATION

Forum Will Indicate Opinions
Of Students On Topics
Under Discussion

Convening for the first time, at 7:45 o'clock this evening in Room 6-120, the Technology Union, under the auspices of the Tech Debating Society, will be confronted by the question, "Shall the present rule of the Institute Committee prohibiting electioneering be maintained?"

Walter H. Stockmayer, President of the Senior Class, will present the question. Otto E. Zwanzig, '35, Concert Manager of the Combined Musical Clubs; Paul Cohen, '35, Editor of THE TECH; Hal L. Bemis, '35, Chairman of the Freshman Rules Committee; and John B. Ballard, '35, President of the Interfraternity Conference, will speak on the question. The meeting will be open to general discussion from the floor after approximately thirty-five minutes of speaking.

President Compton in a letter to the Editor of THE TECH printed elsewhere in this issue, endorsed and highly recommended the organization of the Union, which it is hoped, insofar

(Continued on Page 5)

MENORAH SOCIETY PLANS STAG DANCE FOR DECEMBER 15

Myron G. Alpert And Orchestra
To Play At Intercollegiate
Affair

Myron G. Alpert and his orchestra will furnish the music at the intercollegiate stag dance to be held by the Technology chapter of the Menorah Society, on Dec. 15, in the Main Hall of Walker Memorial, it was announced at the business meeting held last Saturday.

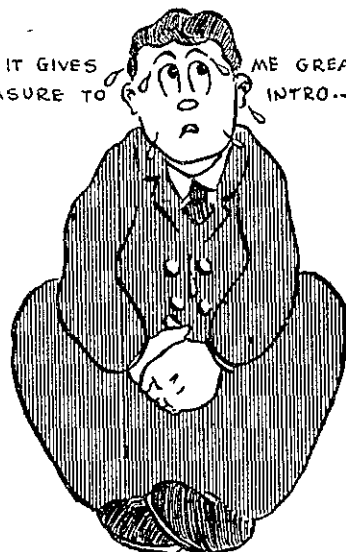
Committees appointed at this meeting, were the Publicity Committee, with Justin J. Shapiro, '36, in charge; and the Program Committee, comprising Albert A. Woll, '37, Harold H. Strauss, '38, Israel E. Woll, '35, Ralph Mendel, '38, and Charles H. Ross, '35. It was decided to hold a binary meeting, in conjunction with a girls' college chapter of the Menorah Society, on Saturday, Dec. 8, 1934.

The next business meeting will be held Saturday, December 8, at one o'clock in the West Lounge of Walker.

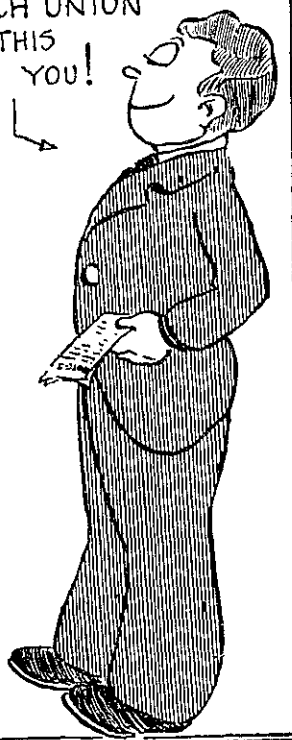
Technology Union! Before—and After

IF SPEAKING PUBLICLY DOES
THIS TO YOU?

AND IT GIVES ME GREAT
PLEASURE TO INTRO—



LET TECH UNION
DO THIS
FOR YOU!





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No. 48

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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DETERMINING PUBLIC OPINION

DATA FOR THE INSTITUTE COMMITTEE

NO group at the Institute should be more in favor of a strong and active Technology Union than the Institute Committee, for none stand to gain more from it than that body, in spite of the blunt and sometimes irrelevant criticism which is sure to arise in discussions of its policies. Lately, events have proven forcibly that the Committee is far from being completely informed as to the opinions or the actions of the students it represents.

Determining the feeling of the public, often vague and conflicting, is no easy task, but so essential is this information to any governing organization that costly and laborious attempts for its determination are often made. Witness the Literary Digest who is soon to go to considerable expense by polling a large number of college undergraduates in order to discover their attitude on peace and war.

In the Union, if it succeeds, there will exist an automatic polling device of which the Institute Committee can take advantage whenever questions relating to the school are discussed.

Today, at its first meeting, many students, hitherto inarticulate, will for the first time, have the opportunity of publicly expressing their opinions, a privilege which in the past has been restricted to those with posts on publications or the student government.

ROUND TABLE

STUDENT-FACULTY RELATIONS

IT has been a favorite complaint at Technology that the relations between students and members of the faculty are too formal, and that most students never form personal acquaintanceships with their instructors. Two years ago this matter was studied with some degree of thoroughness by the Student-Faculty Curriculum Committee and in its report it attempted to analyze the reasons for the existant situation. The result was a form letter sent to the members of the instructing staff suggesting greater accessibility of students to staff members through regular conference hours and blanket invitations.

The first definite step in the direction of facilitated contacts between students and their teachers since that time will have its inauguration tonight when the student-faculty dinner meetings sponsored by the Dormitory Committee have their inception. At these, North Hall is to be filled with round tables with seven students and a professor of their own choosing at each table. There will be no after-dinner speeches, a boon which all will appreciate, but instead, it is expected that each table be the center for a discussion in which the students and their guest will participate. The Dormitory Committee should be congratulated for conceiving of such an ideal way to foster closer relations between student and faculty.

It has been decided by the Dormitory Committee that these dinners will be continued as a regular feature if enough students are interested. It will of course depend on the success of tonight's initial venture whether enough interest will be developed to maintain

them. Given the right students and right professor at each table, such meetings can be of great value to all participating. Now let us hope that the fraternity men and commuters develop an equally suitable means to the end of developing lasting friendships between students and their instructors.

ON THE FENCE

ELECTIONEERING

THE problem of electioneering at the Institute, the problem which will be discussed at the first meeting of the Technology Union tonight, has been fogged by a lack of understanding of the term by the student body. The only method of discussing this question is by arriving at common definitions, and the authority on such matters is a heavy red book called Webster's New International Dictionary.

Webster's definition of the word "electioneer" is: "to work for, or in the interest of, a person, ticket, party, or the like, in an election."

If the true significance of this definition is understood, it seems natural and inevitable that electioneering in some form cannot be prohibited. It is the opinion of this newspaper that no ruling or action of the Institute Committee can prevent attempts to influence elections. That student voters should be interested in putting a certain nominee in office is an unavoidable outcome of the electoral system. The only way to prevent electioneering is to do away with elections. If elections are to have any meaning, we must have an informed electorate. The student voters can vote intelligently only on the basis of their knowledge of the candidates.

Electioneering has too long been regarded as an evil. We must proceed to discuss it as something that can be kept underground but not eradicated. Its function of informing the electorate is so vital that it will be performed in some manner, good or ill. But unbridled electioneering would give rise to as many, if not more, abuses than occur under the present system. A rich candidate, for instance, would obviously have an unjust advantage over a poorer rival; mud slinging might make its appearance. The offices might degenerate to political footballs, kicked about by conflicting groups of fraternity men, dormitory residents, and commuters.

The general answer to this problem is obvious: regulated electioneering. The specific answer is difficult. How can electioneering be regulated? Probably the simplest solution, but not necessarily the best, is complete control of electioneering publicity by the elections committee. It could set a limit on pre-elections budgets for the candidates. It could restrict publicity material to such information as the ratings, activities, course, and residential group of the candidates. Such action has been legal even under the present law prohibiting electioneering, but it has never been adequately systematized, an admission by the Institute Committee that its stand is illogical.

With The American College Editors

Germany's Educational System

German students don't have the advantages that American students have. Enrollment in German universities is limited to 15,000 students a year. Only ten per cent of these may be women. The true state of education in Germany was brought to our attention by a foreign student who spent last summer in that country studying conditions.

A Nazi educator, Professor von Hibler of Leipsig, asserts that at least 90 per cent of German youths who aspire to higher education will never be permitted by government decree to receive such an education. Widespread unemployment among college graduates is given as the basis of this order.

Aside for the economic unsoundness of this attempted solution of the unemployment problem, the situation presents an aspect of vital interest to American undergraduates. Limitation of educational opportunities inevitably stunts the intellectual growth of a country. The low average intelligence in our own industrial centers and throughout the entire South where educational facilities are not highly developed, indicates that tendency. Statistics on the American educational system expose the fallacy of the scholastic excellence as a criterion of economic success.

In addition to the rigid scholastic conformation, German students must have the approval of a Nazi official to qualify as a candidate for college. This amounts to a seizure of the intellectual output of the German nation for partisan political purposes. Compulsory military drills and the small percentage of women students indicate that henceforth German universities are intended to provide a militant, highly organized body of Nazi supporters. Truth and knowledge seem destined for the same fate that justice and free speech received in the "enlightened" Reich.

In the past the amazing apathy of the American undergraduate body to political and economic affairs has insured it almost complete immunity from partisan

(Continued on Page 3)



Women, Song, and . . . Tea

We went over to hear the Wellesley Concert Choir and the M. I. T. Glee Club perform Sunday afternoon. We were really quite interested, and came away very impressed with It All. (Caps by permission of copyright owner, Brer Alpha.)

For example, the jaw and neck muscle development of some of the Wellesleyans was quite remarkable. Especially as viewed from above, where we were established behind a spot-light. Or maybe it was just the shadows. However, the girls deserve credit for doing a good job, and we'd like to hear them do jazz numbers some time.

Wassail!

We particularly admired the blithe-some vehemence with which the girls admonished the landlord to "bring a bowl of the very best wine", in their wassail number. Especially as they had nothing to look forward to but tea. And an insipid concoction at that.

Appreciation

There is one thing to a classical program like that though. You really don't appreciate jazz until you've listened to three or four hours of classical music. Of course it's good for you. Has something to do with purifying the soul by torture, we believe.

Memory Aids

There seems to have been an outbreak of the association system of remembering facts within the last few weeks. For example, one of our Sophomore friends asked us to help him review for an 8.03 exam. Having had a long experience with that sort of devilish institution, we immediately asked for the formula for the horsepower of an electric motor. The Soph smiled and asserted seriously, "Lizzie buys Lizzie nine bottles and two pies." It seems that this choice bit of gossip contained in its first letters the formula IBLNbn 2 pi. In the case of a moving coil galvanometer, we found likewise that "Lizzie buys Lizzie nine apples."

Julius Caesar

We were told that the system worked just as well in other subjects. Military Science for example. But at least one Sophomore in a recent quiz found himself at a disadvantage because of a too close adherence to such tactics.

His idea was to remember the initial letters in the body of an official order as follows. The letters were I D D A S. The first two formed the Latin word "it", and the last three composed the German word "that". So the potential general was to think of Julius Caesar when the question came up. This would recall Caesar's meeting with Vercingetorix. Caesar was Roman, the latter German. Therefore the words "id and das" would suggest themselves.

Predicament

But it seems that the student had been to see the motion picture "Cleopatra" (Continued on Page 5)



DEL CAMPO in the GRILL

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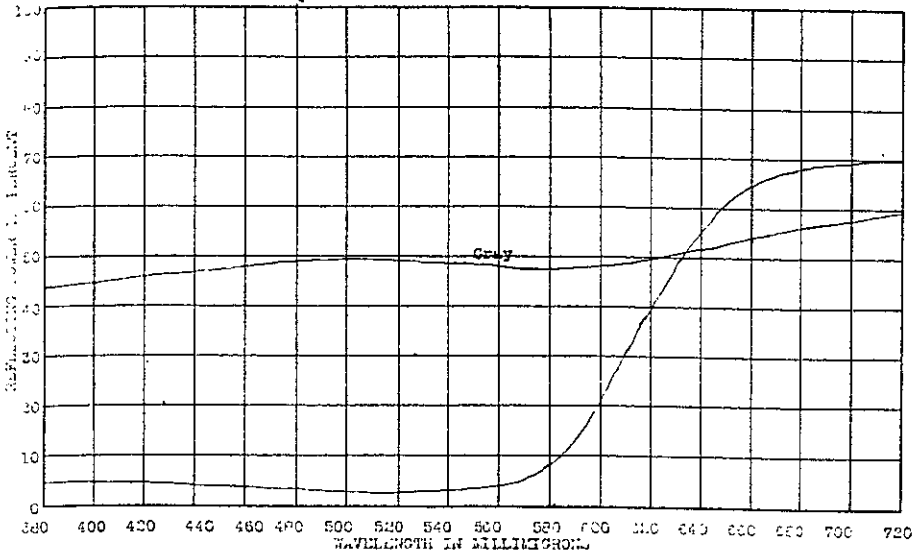
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Reflecting powers indicated are the ratios, in percent, of the brightness of the sample at each wave length viewed in a direction normal to the surface, to the brightness of a standard white surface of magnesium oxide, both surfaces being under diffuse illumination.



What Are The Official Tech Colors? Spectrophotometer Gives The Answer

Oldest Authentic Colors Tested At U. S. Bureau of Standards To Determine the Two Curves For Cardinal and Gray

Never again need there be an argument as to which shades of red and gray are the official Technology colors. Carefully preserved in the Institute vaults is a graph with two curves on it, one representing the cardinal red and the other representing the silver gray. From these two simple lines enough information may be obtained to reproduce exactly the official colors, were all actual samples lost.

Dr. Allan W. Iowe, '01, was probably responsible for the first suggestion of standardizing the Technology colors and, as a result of his suggestions, the Alumni Council, in 1926, appointed a committee "to decide upon and standardize two colors, one a cardinal red, and the other a silver gray, which shall be accepted as the official colors of the Massachusetts Institute of Technology."

First among the problems fronting the committee, was the task of finding two samples which might be authoritatively accepted as a standard. However, after inquiry had been made of several of the older alumni, a sample of each was obtained which had been preserved in an envelope away from the light.

These samples were of the original colors selected and first used in 1876. Since no specimens of early Institute colors were found which had higher authenticity than these, the committee recommended their adoption as official Institute colors.

The next duty of the committee was to find a means of preserving the colors from loss or fading. First an attempt was made to find the exact combination of dyes that would always result in the same shades. For a year experiment was made to this end but the results were not wholly satisfactory.

Among the instruments for measurement of colors, the only one could be found whose results were not affected to some degree by either the character of the light used to examine the specimen or by the eye of the observer, was the instrument known as the Spectrophotometer. The method used by this instrument consists, briefly, of comparing photometrically the brightness of the specimen at each wave-length through the spectrum with that of some white standard.

At that time spectrophotometric methods had been further developed by the Colorimetry Section of the United States Bureau of Standards at Washington, D. C. A sample of each of the official colors was sent to the Bureau of Standards and the results recorded and placed in the custody of the Secretary-Treasurer of the Alumni Association.

In the actual experiment, the colors were analyzed by determining, as a function of wave-length, the value of the ratio of the brightness of the sample viewed in a direction normal to the surface to the brightness of a surface of magnesium oxide viewed in a direction normal to its surface. Values of this ratio were taken for about 35 different wave lengths evenly distributed over the range of the visible spectrum and a graph plotted. Above is a copy of the graph made.

These results were preserved in the Institute's vaults where they may be referred to when it becomes necessary

to duplicate the official colors.

Although the methods used by the Bureau of Standards was all that could be desired as regards accuracy, they were very laborious. Later experiments at the Institute under the direction of Professor Hardy brought about the perfection of an automatic spectrophotometer employing a photo-electric cell and capable of measuring a color sample in two minutes as compared with many hours required by the visual method used at the Bureau of Standards.

Early results with the new instrument were not as accurate as could be desired, but now it has been perfected to a point where its precision is entirely adequate.

CO-EDGEWISE

A military wedding—and we have all the elements needed to start that society column that our young engineers have been demanding. (Yes, really.)

At four o'clock last Saturday Miss Landon Priscilla Bunker was married to Lieutenant Brooke Maury in the St. John's Episcopal Church in Winthrop. The bride wore a gown of blue crepe, unusually lovely as a complement to her blond beauty. The maid of honor wore a rose-colored gown. The bridegroom, the best man, and the ushers were in military uniform.

As is the custom, the married couple passed beneath an arch of sabers. (For atmosphere, Mr. Bunker had suggested that the co-eds form an arch of slip-sticks, and so give the army a little competition. Surprising as it may seem, the army eventually triumphed—and sabers it was.)

From five to five-thirty an informal reception was held at the bride's home at Fort Banks. Careers completely forgotten, Tech co-eds plotted to capture the bouquet upon the bride's departure. Four of the co-eds reached for it, and it was divided among the conspirators. (Watch out, gentlemen, it seems the co-eds have changed their tactics, and are now on the matrimonial path.)

The bridal couple then left for South Station with a police escort, to catch the six o'clock train for New York.

At the University of Alabama a butler in the Lambda Chi house named three of his offspring Lambda, Chi and Alpha.

Away From The Grind . . .

It was out in the old Chi Phi down house, Saturday night, and a couple of briny Delta Psis were whooping it up. Bilgy Borham and Helmy Hardiner sailed a course three sheets to the wind with an ashtray binnacle and Quinine Grove's wheel.

Ruby Neyman's Nth orchestra was present in body, but it must have forgotten its music. "A fancy label does not always indicate the quality within the bottle," says Al Taylor.

Feminine pulchritude was up three points, but what dancers! Prancing Peters tried to show a dainty damsel a new whirl and the result was that a delicate ankle was sprained.

WITH THE AMERICAN COLLEGE EDITORS

(Continued from Page 2)

interference. But with the battle lines of the conservatives and the liberals now sharply defined, and signs of an increasing sensibility to the impending conflict evident in student thought, the fate of German education raises a pertinent question. What of our own future?

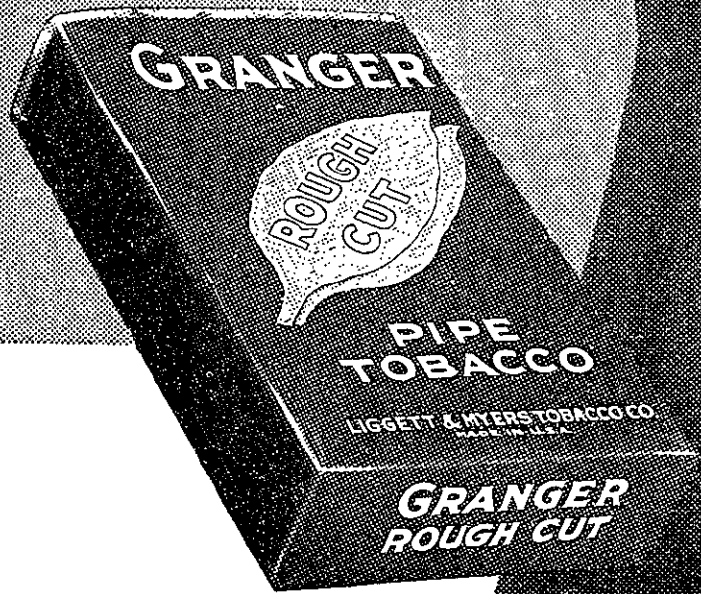


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SUMMERS DEPLORES LACK OF VETERAN MATERIAL THIS YEAR

Captain Gorono Ineligible For Competition; Freshman Turnout Large

Coach John Summers remains still undecided as to the prospects of the varsity squash team because of the many varsity veterans who have either graduated or not come back. The entire varsity must be reconstructed from virtually untried material because of the lack of veteran material. John Wood, David Engles, James Eder, and Ted Lucas graduated last year while Gil Hunt and Irving Newman have not returned this year. In addition to this, Louis Garono, in Coach Summers' opinion, the best student player and captain-elect for this year, is ineligible for competition.

A record number of sixty-two freshmen are out for the yearling squash team this year. This unprecedented number has crowded the facilities of the courts greatly and has necessitated rearrangement of the student schedule for use of the courts. This reorganization is due to the fact that the courts are occupied in the evenings by faculty and upperclassmen.

Coach Summers, in an effort to discover the relative abilities of the freshmen candidates, has divided the group into two parts, called the Cardinals and the Grays. Each freshman has the right to challenge any man on the other team to a match. Shortly before active freshman inter-school competition begins, those who have won at least eight games in the contest will be considered for the two freshman teams which will be formed. The freshman with the most victories to his credit at the end of the competition will be awarded a medal. The novice Beaver squashmen will play Harvard, Union Boat Club, Boston A. A., Harvard Club, and the University Club. In between the matches which will start later in the school year, the first year men will concentrate their efforts on a tournament for which all freshman candidates will be eligible.

The tentative varsity list given out by Coach Summers is as follows: John S. Mason, '37, John D. Gardiner, '36, Fitz R. White, '35, Norris E. Ruckman, '35, Gray Jensvold, '37, Howard L. Anderson, '36, John R. Burton, Jr., '35, William B. duPont, '36.

Many faculty members and graduate students are actively interested in squash and have formed a team which is rated as Class C in the Massachusetts State Squash Racquets Association. Their record in the annual competitions has been an excellent one in whatever class they were rated. This year's team will probably consist of the following men: Professor Louis F. Woodruff, Edward L. Bowles, Walter H. Gale, Herbert T. Smith, John C. Sluder, Lieutenant Dunning, and Charles J. Harrington.

The schedule for the Squash courts is as follows:

Weekdays, 8 A. M. to 10 P. M., Saturdays, 8 A. M. to 6 P. M., and Sundays and Holidays 9 A. M. to 7 P. M.

SOCCER TEAM LOSES TO CLARK BOOTERS

Season Unsuccessful In Spite Of Brilliant Playing By Many Men

Tech soccer team closed their season with a defeat in the hands of Clark University, on Saturday at Worcester with the score 2-0. Although many of last year's varsity returned to boot for Technology, the jinx which has been hovering over the team for more than two years was broken only once when Bridgewater was defeated by the score of 3-1.

This year has seen brilliant playing on the part of many individuals, with Forsburg, Waxman, and Kron, heading the list. An excellent spirit prevailed over the cardinal and gray at all times, but the scoring punch was lacking.

The line up for Saturday was as

YANKEE DIVISION OUTSHOT BY TECH

Rifle Team Defeats Strong Veteran Organization, 887 to 871

Clear eyes and steady hands triumphed once more last week when the Technology varsity rifle team trounced the Yankee Division shooters by the score of 887 to 871. Manager C. N. Endweiss, the team's star marksman, once again led the Technology scorers with a score of 180 out of a possible 200 points. It is also interesting to note that two of the men on the Yankee division team, Orelman and La Capai, were former captains of M.I.T. rifle teams. Captain James F. Hyde, of the Department of Military Science, declared himself highly pleased with the marksmanship of the Tech men who were given their first baptism of competitive shooting last Tuesday.

Each team was composed of nine men each of who fired ten shots in two positions, prone and off hand. The five highest scores of each team were counted in for the team total, and the men whose scores were counted were: C. N. Enweiss, '36, J. F. Keithley, '37, Douglas Hawks, Jr., '36, Charles F. B. Price, '36, and Francis S. Peterson, '36.

For its next meet the rifle team will take on the Arlington Rifle and Revolver Club Team at the Institute Range on the night of November 30.

follows: Dresley, c; Kron, ir; Winiarski, il; Cheny, ol; Allen, lhb; Bemis, rhb; Capt. Forsburg, rfb; Waxman, ol; J. Hamilton, lfb; and Gray, g. The substitutes were Sanchez and Sherburn.

SPORTS COMMENT

If the ground isn't covered with snow next Sunday, Tech Field will be the scene of another football game. Good football weather has prevailed for the contests on the past two Sabbaths. At present arrangements are not complete for the coming game, but it is very probable that the Walker Waiters will again provide the opposition for THE TECH. Theta Chi was scheduled to be THE TECH's opponent, but because several of the fraternity players are going home for Thanksgiving and will not be back on Sunday the proposed contest was called off.

Bill Carlisle was right on the sidelines to encourage his waiters in their march to victory yesterday. The tray-carriers didn't need much encouragement, however, with Johnny Brosnahan and Freddie Lincoln driving through the openings that their interferers made for them. Although the Walker team was lighter than the Voo Doo outfit that THE TECH faced on the previous Sunday, the waiters were much faster and more ably directed.

An unexpectedly good turnout marked the first practice session for the proposed Dormitory basketball team, over twenty men appearing at the Hangar Gym Saturday afternoon. If Saturday's show of interest is any indication, the Dormitories will have very little trouble in banding together a capable team to play fraternity fives and Harvard house teams.

We hear that Crew Coach Bill Haines is now turning out distance runners instead of oarsmen. Our authority for such a statement is none other than a gentleman by the name of Milt Brooks, who up to the present has been one of Coach Haines' charges at the boathouse. Now, however, Brooks has decided that he is quite a capable runner over a mile's distance. In fact he has gone over that distance. Oscar was quite some miler in his day and he still retains a good bit of his speed. We wouldn't be a bit surprised if Oscar very soon won another dinner like the one he won under somewhat similar circumstances a few weeks ago.

THE TECH DEFEATED BY WALKER DINING SERVICE

(Continued From Page 1)
return game between the same two teams next Sunday if the weather is favorable.

The referee for Sunday's game was Hugh Smith. Bill Carlisle acted as head linesman and timekeeper and Junior Vanderman and Bob Treat

were the linesmen. The lineups were as follows:

The Tech	
Kanters	R.E.
Brooks	R.T.
Wirtz	R.G.
Levy	C.
Notman	R.G.
Segalyn, Tichnor	L.T.
Smith, C. W.	L.E.
Webb	Q.B.
York, Felloris	R.H.B.
Davis	L.H.B.
Vincens	F.B.
Walker's Walloping Waiters	
Rurke, Backenstoss	R.E.
Wallace	R.T.
Stockmayer	R.G.
Smith, L. S.	C.
Cary	R.G.
Kron	L.T.
Bode	L.E.
Mott	Q.B.
Winiarski	R.H.B.
Brosnahan, Williams	L.H.B.
Lincoln	F.B.
Tist	F.B.

As the Walkerites Romped over THE TECH



Brosnahan of the Walker team starting on his seventy yard run to score the second touchdown of the game. Although a number of THE TECH men are in a position to tackle the runner, they were conveniently blocked out of the play, as they were in most of the other plays, by a well working defense.

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RICKS WANTS MORE VARSITY GRAPPLERS

Newcomers Have Opportunity For Four Open Varsity Berths

In preparation for the first wrestling meet of the season when the M. I. T. grapplers take on Harvard, and the All Tech Tournament, Coach Jay Ricks has issued another call for men interested in wrestling. Since the grapplers lost four men by graduation on last June, there are at the present time the same number of positions open to new men. In view of the fact that wrestling is a science that can be quickly acquired by a person earnestly interested in the sport, Ricks would like to meet in the Hangar Gym on next Wednesday afternoon, all men who like to wrestle, who think they can wrestle, or who would like to learn to wrestle. The men he would like to meet are not necessarily the Tarzan type, with builds that make dainty feminine hearts flutter; but he wants to meet the ordinary garden variety type of men, who have not yet decided for what outside activity they would like to compete in.

One other reason why the would be wrestlers should see Ricks this Wednesday is that he will give an informal talk on the All Tech wrestling tournament that will start next week. All men in Technology with the exception of wrestling lettermen are allowed to compete in this tournament, and the winners in the various classes will receive a medal.

Two more assistant managers are needed by H. C. Johnson. Men interested should report to the A. A. office today or Thursday at five o'clock.



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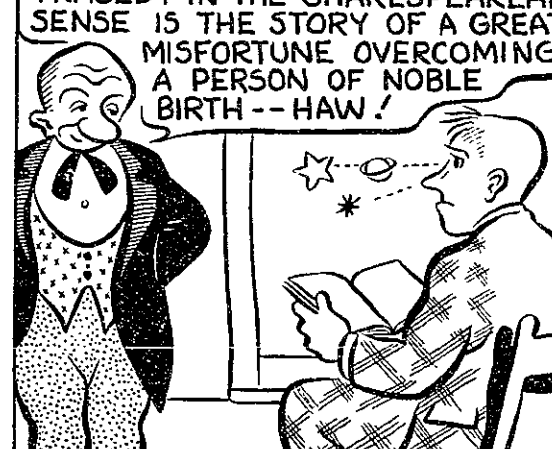
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ENGLISH LIT


TRAGEDY IN THE SHAKESPEAREAN SENSE IS THE STORY OF A GREAT MISFORTUNE OVERCOMING A PERSON OF NOBLE BIRTH--HAW!



SHAKESPEARE HAD A TRUST IN BEAUTY -- HE WANTED TO BELIEVE THAT IF THE FACE WERE DELIGHTFUL THE MIND MUST BE SO -- BUT -- EXCEPT -- ER --

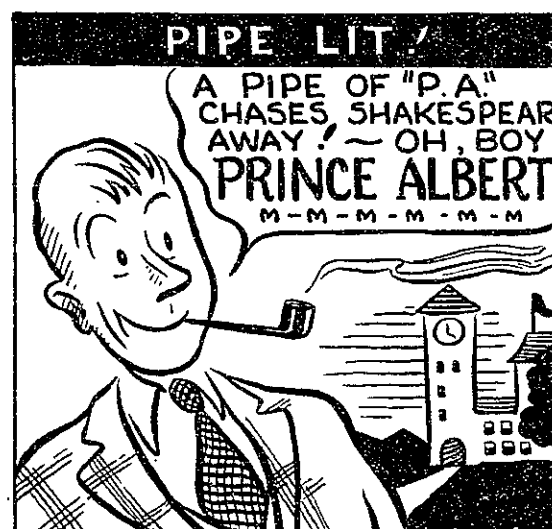


HIS PLAYS, ON THE WHOLE, DEAL WITH EVIL AS BEING UNNATURAL. HE GLORIFIES WAR, BUT --- ETC.,



PIPE LIT


A PIPE OF "P.A." CHASES SHAKESPEARE AWAY! -- OH, BOY! PRINCE ALBERT!



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PRINCE ALBERT
--THE NATIONAL JOY SMOKE!



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COLONEL LOCKE, FORMER PERSONNEL HEAD, DIES

(Continued from Page 1)

sett's Volunteer Militia, and in 1897 was appointed to the rank of colonel and assistant inspector general.

Past President of Alumni Ass'n
He was a past president of the Technology alumni association, and served on the corporation from 1906 to 1910 and from 1921 to 1926. For a year he was a member of the visiting committee for the department of military science and tactics.

Colonel Locke long maintained a keen interest in various branches of social service. He was a trustee of the Norfolk State Hospital and a member of the corporation of Malden Hospital. He was a member of the Cambridge Industrial Association, the Unitarian Laymen's League, the Hamilton Association, the Boston Chamber of Commerce, and the Boston City, Technology, Engineers, Rotary, Unitarian, Puddingstone, and University Clubs.

He was born in Boston, July 14, 1865, the son of James Lovering and Sarah Maria (Swallows) Locke. In 1901 he was married to Miss Mary

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Course XV Still Leads in Enrollment; Mass. and New York Send Most Students

136 American Universities Send Graduates Here, But Institute Leads With 229, Naval Academy Sends 30 Graduate Students

More students are enrolled this year in Course XV, Business and Engineering Administration, than in any other course. Chemical Engineering is a close second, and Mechanical Engineering, course II, is third. Fourth comes Electrical Engineering, VI and VI-C, with Aeronautical Engineering, course XVI, fifth; Electrical Engineering, VI-A, lines up sixth. The leading courses for 1932-1933 are exactly the same as for 1933-1934. For 1931-1932, however, Chemical Engineering ranked first, Business and Engineering Administration second, Mechanical Engineering third, Electrical Engineering VI, VI-C, fourth, Electrical Engineering, VI-A, next, and Aeronautical Engineering sixth.

Students come to Technology from every part of the world. For the United States alone, Massachusetts leads the list, with New York second. Since 1929, New Jersey has been third, and

Brodhead Kendall of Malden. He leaves his wife and three children, John Lovering, Nancy Lovering, and Eleanor Brodhead Locke.

Pennsylvania fourth except in 1931, when Pennsylvania sent one more student than New Jersey. Connecticut takes fifth place for 1929, 1931, 1932, and 1933. In 1930 Illinois took fifth place with seven students more than Connecticut.

Although Illinois formerly ranked close to Connecticut, Ohio is gaining steadily on Illinois, outnumbering her in 1931 and 1933 and equalling her in 1932.

Texas Leads South Central States
From the South Atlantic states, the District of Columbia steadily sends a plurality of students to Technology. From the South Central States Texas takes the lead. California sends more men to Technology than does any other Western state.

Since 1929 only two students have come to the Institute from South Dakota. They arrived in 1932. One came from Nevada in 1931. New Mexico sent no men in 1932, and Wyoming none in 1932, and but for these four exceptions, every state in the Union has sent at least one man to Technology every year since 1929.

For women students the most popular course is Chemistry, closely followed by Biology; third comes Architecture, and fourth Physics.

There are graduate students at Technology from 136 American colleges, and 32 foreign colleges. The

Institute contributes 229 students to its graduate school. U. S. Naval Academy comes second with a total of 30 men; Harvard University sends 16 men; Yale and U. S. Military Academy send 13 each; Dartmouth, 12; and Tufts, 10.

TECHNOLOGY UNION HOLDS INITIAL DISCUSSION TODAY

(Continued from Page 1)

as it is used as a medium for open discussion of problems before the Institute, will develop into a mechanism for determining student public opinion. In addition to Institute topics, problems of a national interest will furnish subject material in the future. It is hoped that the Union will be representative of the three major groups of students, namely, the fraternities, the dormitories and the commuters.

In the course of the meeting a Steering Committee, consisting of six students, will be appointed to act as a group to direct the activities of the new organization.

"Open Forum" Letter Gives Suggestion

In an "Open Forum" letter to THE TECH, it has been suggested that the Technology Union be affiliated with the Cambridge Union Society, thereby providing honorary membership to members of the Technology Union in any of the branches of the main Societies of Oxford and Cambridge. The letter pointed out that "the main point of the Union is the facility it affords the student for speaking before large

audiences and also the knowledge he gains concerning current events both by speaking on them and hearing the views expounded by fellow members in the course of the debates."

The Lounger

(Continued from Page 2)

patra" a short time before the quiz. And while he remembered Julius all right, he linked him with the Nile co-ed, instead of the warrior chieftain. Well, Cleo is Egyptian, and the poor fellow didn't know a word of Egyptian, so he flunked the question. Proving, we suppose, that the movies are a greater influence than schools.



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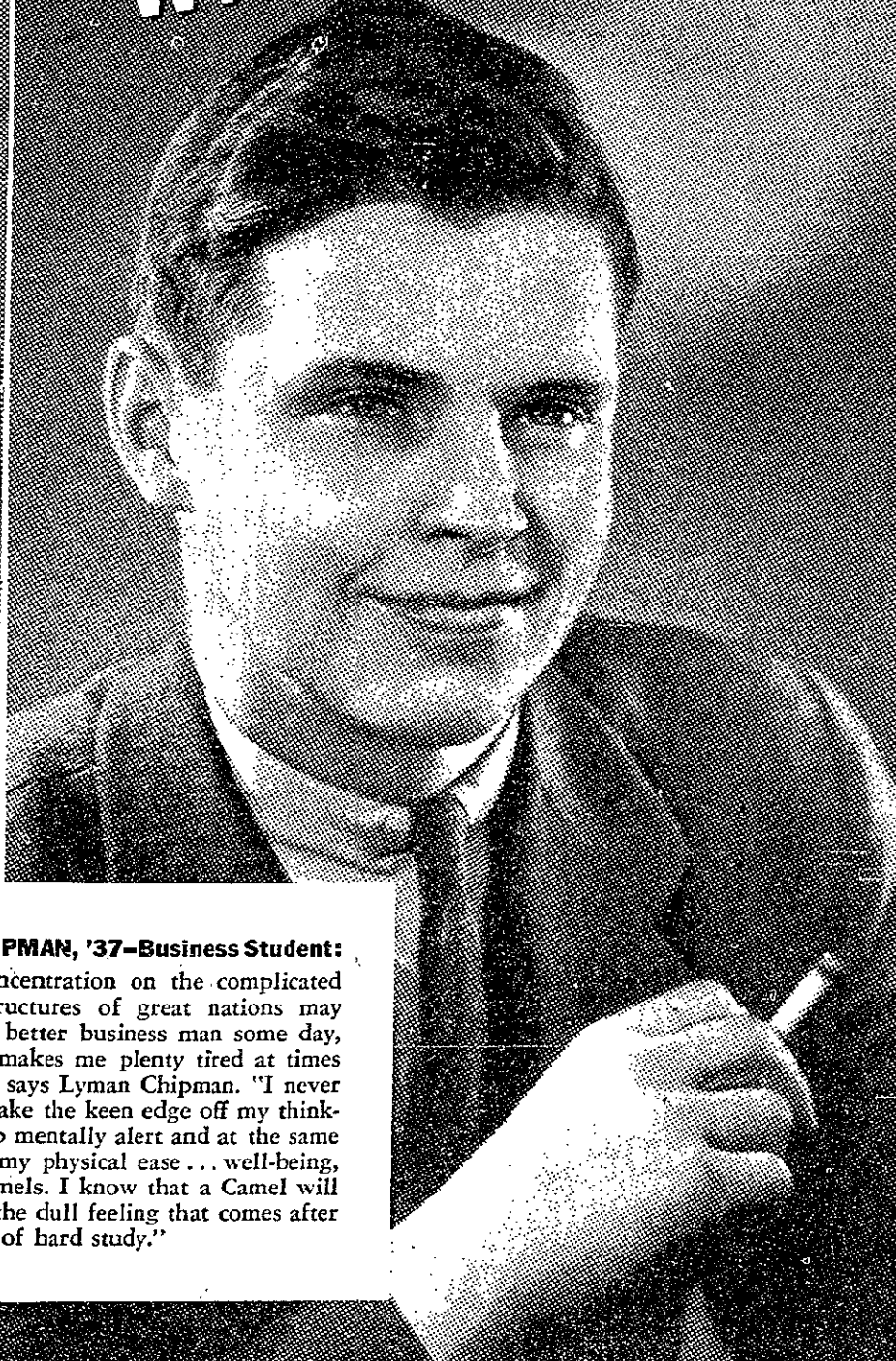
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Domestic—than any
other popular brand."



LYMAN CHIPMAN, '37—Business Student:

"Intense concentration on the complicated financial structures of great nations may make me a better business man some day, but it sure makes me plenty tired at times right now," says Lyman Chipman. "I never let fatigue take the keen edge off my thinking. To keep mentally alert and at the same time retain my physical ease . . . well-being, I smoke Camels. I know that a Camel will chase away the dull feeling that comes after a few hours of hard study."

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8:00 P.M. M.S.T.
7:00 P.M. P.S.T.
THURSDAY { 9:00 P.M. E.S.T.
8:00 P.M. C.S.T.
9:30 P.M. M.S.T.
8:30 P.M. P.S.T.

OVER COAST-TO-COAST WABC-COLUMBIA NETWORK



GLEN GRAY



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longer I smoke them, the
more I appreciate their
rich, milder flavor."

CAMEL'S COSTLIER TOBACCOS
NEVER GET ON YOUR NERVES!

COMMUTERS WILL HOLD THANKSGIVING DANCE IN THEIR 5:15 ROOM

Newton Is In First Place In Bowling Tournament

Novelty dances and bridge playing are to be the main features of the Thanksgiving dance to be sponsored by the 5:15 club, on Nov. 28, in the commuters' room. Music will be supplied by a new set of records which have been purchased for the occasion. Prices of admission will be 25 cents a couple for members and 50 cents a couple for non-members.

The Commuters' bridge tournament, which is now in full swing, has attracted much attention, filling the commuters' room with players every lunch hour. The team of Travers and Christopher is now leading with a score of 1168. The runners-up are Udin and Gallagher. Prizes will be awarded to the winners.

A bowling tournament has been started between teams of five men each from various towns. Following is the summary:

	Standing	Won	Lost	Pins
Newton	1	1	0	1157
Wakefield	2	1	0	1149
Melrose	3	0	1	1089
Winchester	4	0	1	1088
Arlington	5	0	0	0
Brighton	6	0	0	0
Cambridge	7	0	0	0
Medford	8	0	0	0
High Single String				
Hurley (Wakefield)				181
Sawyer (Newton)				99

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CALENDAR

Tuesday, November 27

5:00—Banjo Club Rehearsal, East Lounge, Walker Memorial.
5:00—Glee Club Rehearsal, Room 10-250.
5:00—M. I. T. A. A. Meeting, West Lounge, Walker Memorial.
7:45—Technology Union Open Discussion, Room 6-120.

Wednesday, November 28

5:00—Christian Science Organization Meeting, Room 10-200.
5:10—Unity Club Discussion Group, West Lounge, Walker Memorial.

NEW NUMBERS GIVEN TO INSTITUTE TELEPHONES

Dial telephones have been installed throughout Cambridge and have brought changes in telephone numbers and exchanges. These new numbers will be in effect at 1:00 A. M. December 2. Following is the corrected list of Institute fraternity, and activity telephone numbers:

Massachusetts Institute of Technology	KIRKland 6900
Nights, Sundays and Holidays	KIRKland 6930
Homburg Infirmary	KIRKland 6900
Nights, Sundays and Holidays	KIRKland 6931
Architectural Department	KENmore 9610
Boat House	ELiot 9705
Dormitories	KIRKland 5300
M. I. T. A. A.	KIRKland 9360
Student House	CIRcle 8407
Technique	ELiot 1156
Technology Christian Association	KIRKland 7416
Technology Engineering News	KIRKland 6864
THE TECH Business Office	KIRKland 1881
THE TECH News Office	KIRKland 1882
Voo Doo	KIRKland 6339
Undergraduate Employment Bureau	KIRKland 7416
Alpha Kappa Pi	CIRcle 7732
Alpha Phi Delta	ARLington 2698
Alpha Tau Omega	COMMonwealth 8029

Beta Theta Pi	LONGwood 8409
Chi Phi	KENmore 4187
Delta Kappa Epsilon	ELiot 8150
Delta Psi	KIRKland 0666
Delta Tau Delta	LONGwood 8614
Delta Upsilon	COMMonwealth 8124
Kappa Sigma	COMMonwealth 8501
Lambda Chi Alpha	COMMonwealth 9102
Phi Beta Delta	COMMonwealth 7775
Phi Beta Epsilon	TROWbridge 2341
Phi Delta Theta	LONGwood 8798
Phi Gamma Delta	COMMonwealth 8048
Phi Iota Alpha	KENmore 2892
Phi Kappa	CIRcle 8468
Phi Kappa Sigma	COMMonwealth 8630
Phi Mu Delta	LONGwood 8996
Phi Sigma Kappa	COMMonwealth 8093
Sigma Alpha Epsilon	ELiot 9354
Sigma Alpha Mu	LONGwood 4288
Sigma Chi	COMMonwealth 8095
Sigma Nu	LONGwood 9083
Tau Epsilon Phi	LONGwood 8997
Theta Chi	KENmore 3249
Theta Delta Chi	ELiot 9809
Theta Xi	COMMonwealth 8614

REORGANIZATION PLANS FOR DRAMASHOP MADE

(Continued from Page 1)
formed into a club. Cast, management, and production personnel of future Dramashop productions will be made up entirely from the membership of the club. From a competition to be opened next week, a limited number of men and women will be selected to

assist putting the plan into effect before time for the spring show.

Will Present Plays at Other Colleges
The present conception includes presentation of Dramashop plays at other New England colleges, as well as to Technology audiences.

The students elected, Woodman stated, will be accepted on the basis of proficiency and interest in stage design, business management, set construction and lighting as well as acting. The date of the membership competition for all departments will be announced in next Tuesday's issue of THE TECH.

MEN'S SONG CHOICES APPROVED BY GIRLS

The vote of Technology men which favored such tunes as "Stars Fell on Alabama", "Love in Bloom", "Let Me Call You Mine", "Lost in a Fog", "The Continental" and "Ants in My Pants", was approved by their fair friends Friday night as they danced to the music of Ken Reeves and his orchestra at the Scabbard and Blade dance in Walker Memorial.

At midnight eight new pledges to the Scabbard and Blade, National Military Fraternity, were initiated in a military ceremony. The pledges were as follows: Michael G. Kelakos, '35, John C. Austin, '36, Edward Lowenstein, '34, Roger E. Needham, '35, Lawrence W. Sharpe, '36, Milton W. Brooks, '36, John R. Brookes, '36 and Donald W. Taylor, '35.

T. C. A. CONTRIBUTIONS RAISED BY NEW DRIVE

\$100 Received From Circular Sent To Commuters

The T. C. A. drive entered a new phase of its activity recently with the receipt of \$103.50 additional funds. At its last meeting, the T. C. A. Senior Cabinet decided that there

GRIDIRON CHOOSES FOURTEEN MEMBERS

Gridiron, the honorary journalistic society, will initiate 14 members at its fall dinner on Tuesday, December 4. As yet, the place has not been definitely decided upon, but will be announced later.

Vinton K. Ulrich, '35, Secretary-Treasurer, announced at the meeting last Friday that additional funds were necessary in order to balance the budget; accordingly, it was decided to raise the initiation fee to \$6.00 and to assess each member \$.50.

Those who were elected at the meeting are: James B. Allen, '36; John C. Austin, '36; Sidney Cornell, '36; Milton B. Dobrin, '36, Martin A. Gilman, '36, Ralph D. Morrison, '37, James E. O'Neil, '36, William W. Prichard, '36, J. Thomas Smith, '36, Louis C. Smith, '36, Lea H. Spring, '36, Elmer H. Summersgill, '36, Thomas A. Terry, '36, and Gordon C. Thomas, '36.

were a large number of Tech students who, living in private houses, had not been reached for contributions to the drive through the ordinary contacts. Accordingly, the cabinet voted to send a number of circular letters to these men. The results were gratifying; \$103.50 was received, including two ten dollar contributions. This amount swells the total receipts of the drive to \$2108.46, which represents 73% of the goal of the drive.

The First Church of Christ, Scientist

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